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EXRAND-M-32

29 April 1970

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COMIREX SUBCOMMITTEE
For
EXPLOITATION RESEARCH AND DEVELOPMENT

Minutes of Meeting Held in IAS Conference Room
0900-1200, Wednesday, 22 April 1970

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*Special Briefing Only.

Declass Review by
NIMA/DOD

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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29 April 1970

1. Special Briefing.

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[redacted] NPIC, respectively presented a two-part briefing on the modified G system. A summary of the briefing will be sent to members under separate cover due to the degree of classification.

2. Approval of Minutes.

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The minutes, EXRAND-M-31 were approved as read.

3. Announcements.

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a. [redacted] on the good work that was done in making the arrangements for the successful trip to Westover AFB.

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b. [redacted] for his appointment as Deputy Commander at TOPOCOM, and welcomed the new MC&G Observer for EXRAND replacing [redacted]

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c. [redacted] III has been designated the official NPIC member of EXRAND with [redacted] as the Alternate member.

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d. [redacted] read off a list of equipment that the U.S. Geological Survey is seeking as surplus property. He asked that any surplus equipment be first made available by announcement through EXRAND.

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[redacted]
29 April 1970

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[redacted]

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[redacted] stated that OQAMA/USAF facilities were always available to provide lists of surplus photographic gear to the Community. It was announced in this respect, that [redacted] had a requirement for five 940 Light Tables for use of the post-flight analysis group at [redacted]. There is also a need for forty-five 940 Light Tables at the several P.I. Schools (Omaha and Lowry). The NPIC member was reminded that excess 940 Light Tables in NPIC would be appreciated after NPIC received the new 1540 Light Tables.

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[redacted]

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e. [redacted] USAF Alternate announced that this would be his last meeting with EXRAND and that [redacted] would be his new replacement as an alternate to EXRAND and as the Chairman of the Procurement Coordinating Team.

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[redacted]

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f. [redacted] announced that arrangements had been made for a briefing at the 17 June EXRAND meeting on the Integrated Information System (I.I.S.) by NPIC.

[redacted]

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g. The NRO has provided funds for a facility expansion at NRTSC in order to install [redacted] processors. Eventually NRTSC will have a viable, dual-gamma process capability for emergency or crisis situations. Also, the 7499th is being upgraded by the NRO with [redacted] and other supporting equipment. This will provide a greater capability in Europe, but not yet a fully manned OPIC-E.

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4. Old Business.

[redacted]

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a. [redacted] presented the latest status of the 1540 Split Format Light Table testing and procurement problems. A written report was handed out to members (Attachment I). [redacted] explained the action yet to be taken on the listed discrepancies. [redacted] and [redacted] are in the process of correcting these deficiencies. He also

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29 April 1970

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mentioned the unacceptable coolant materials in the [redacted] then discussed the status of the [redacted] Advanced Rhomboids, Mod II, illumination, eye piece, trade-offs in usage, etc.

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[redacted] next discussed the cost sheets of the two light tables showing estimated production costs and sample configuration costs. The [redacted] has shown at this point too high costs for their basic table, in addition, they may have to take some major corrective actions to correct table deficiencies. There ensued considerable discussion on costing factors and ordering procedures. NPIC would like to try to buy both [redacted] tables. [redacted] asked for the orders to be passed to the Procurement Coordinating Team; he also asked that at this point not to consider the current [redacted] price list as firm since the costs are too high and expectations are that their costs will be reduced.

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b. [redacted] announced the preparations for the trip to SAC at Omaha, Neb. for viewing the Program Assisted Console Evaluation and Review (PACER). He handed out a working paper with the basic information on it. He asked that the members and those interested in going on the trip please contact [redacted] (See Attached).

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c. [redacted] was asked to present his view on the up-date of the Objectives of EXRAND. He stated that there are now several missing elements to the Objectives and that a new paper should be prepared. For example, missing items included: (1) Selected Area/Target Printing, (2) Influence of Free Radical Film, (3) Color impact as a result of 242, (4) potential of dry reproduction systems, (5) elimination prospects of the DN in the processing system, (6) more descriptive information in place of the general information (7) a new color category should be added. The Chairman, after recommendations were made, appointed [redacted] to prepare an up-dated draft for EXRAND approval. This will be attempted before the June meeting.

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d. The Chairman directed other recommendations to members: That they contact their Technical Task Team representatives and have them make recommendations to [redacted] the Chairman of the Team, concerning their latest requirements or concepts on exploitation equipment for color.

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29 April 1970

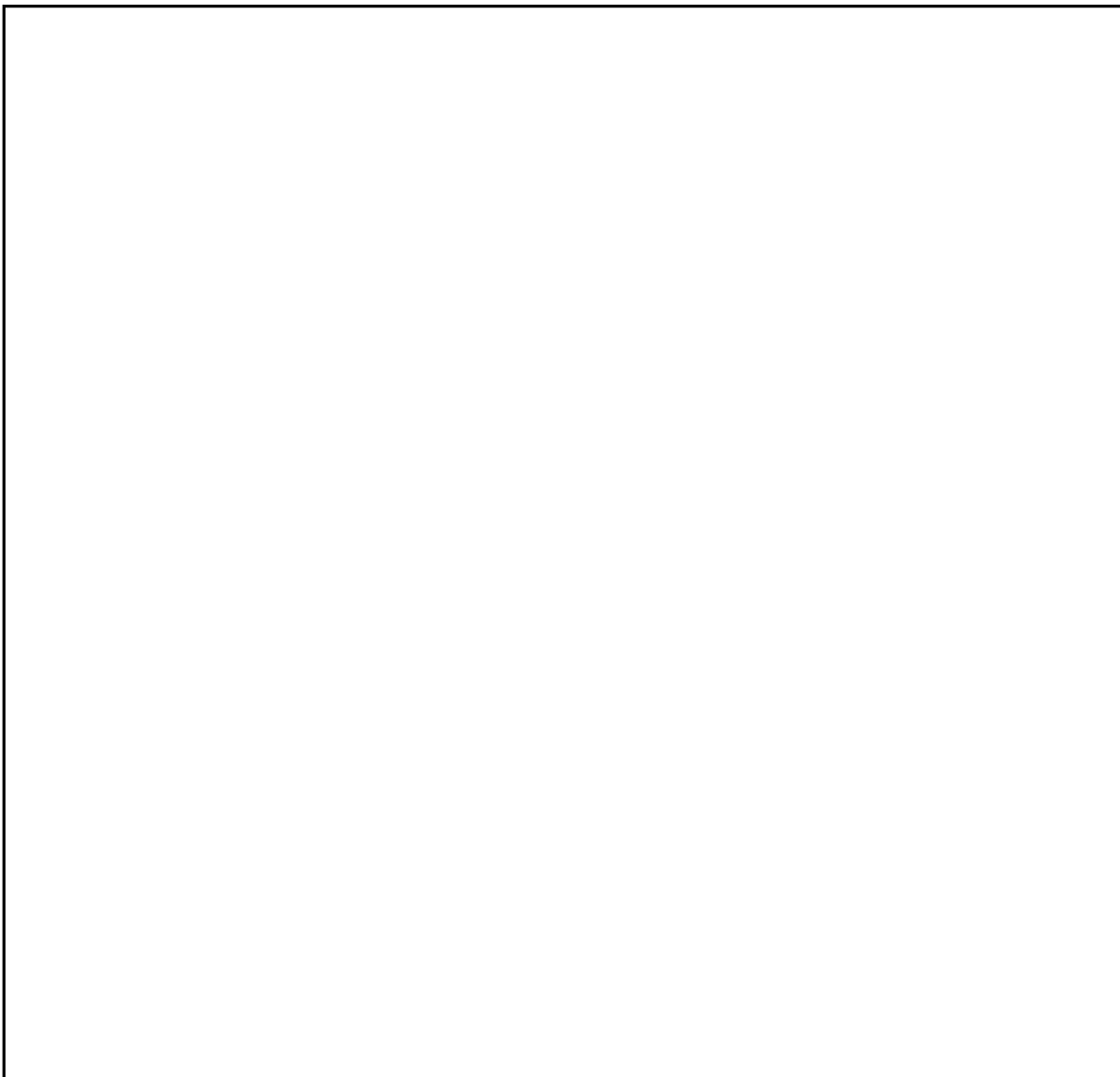
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e. [] DDR&E, commented that he thought EXRAND should look to the potential significant changes that could be brought about in exploitation due to the total future system--what will be the requirement for P.I.s and support components. Several members suggested that USIB should be the originator of these concepts and require COMIREX/EXRAND to respond.

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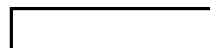
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29 April 1970

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i. [redacted] was asked if EXRAND members could visit [redacted]
[redacted] He stated he would make arrangements for a
future trip.

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The meeting was adjourned at 1200.

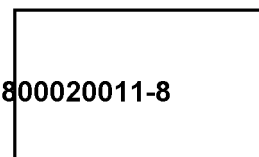
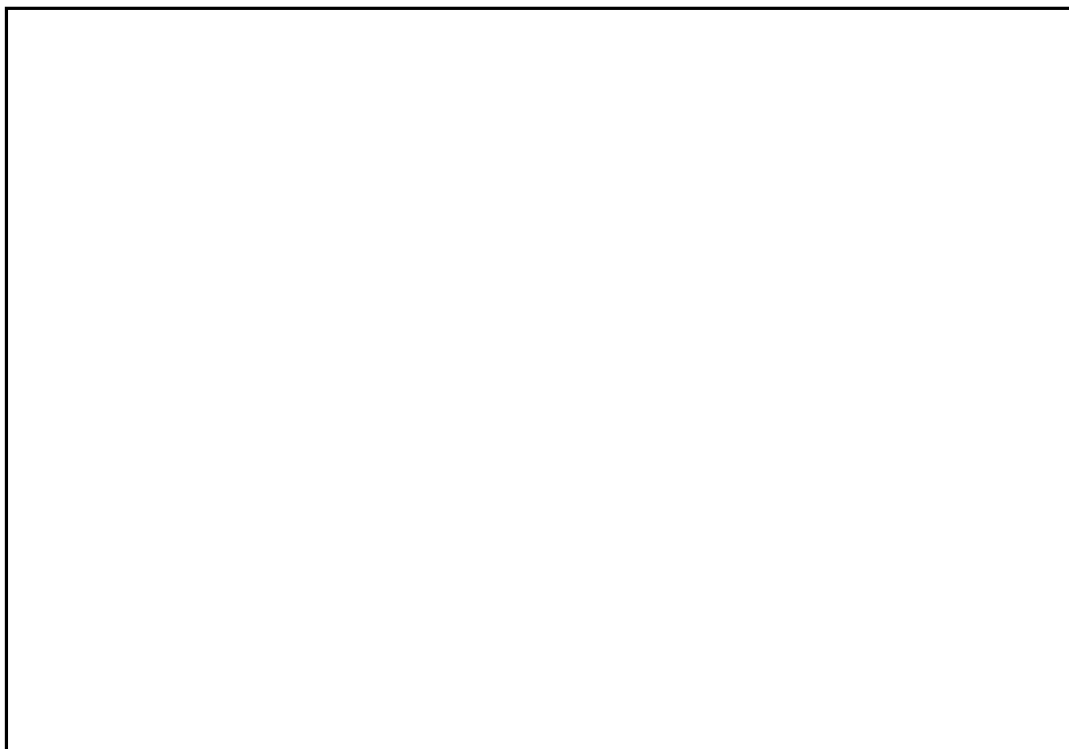


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Executive Secretary, EXRAND

Attachments:
As stated

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[REDACTED] ATTACHMENT 1 to [REDACTED]

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MEMORANDUM FOR: Exploitation Research and Development Subcommittee
SUBJECT : 1540 Light Table System Report

1. The following information concerns the cost and performance of the 1540 Light Tables and Mod II Advanced Stereo Rhomboids.

2. 1540 Light Tables.

a. Cost. Consult attached table titled "1540 Light Table Production Cost Estimates," dated 21 April 1970, and also respective price data sheets.

b. Performance. The following statements refer to crucial performance shortcomings of the prototype tables which must be corrected in the production models. There are also numerous "bugs" of lesser significance which must be corrected in the production models but are not cited here.

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(1) [REDACTED]

(a) Microscope carriage counterbalance, motorized tracking system and focusing ring mount have unacceptable performance characteristics.

(b) Illumination uniformity is unsatisfactory (marginal).

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(2) [REDACTED]

(a) Film transport does not track properly with 70mm or 5" film. Film creeps in null position.

(b) Viewing surface temperature too high--114°F vice 95°F.

(c) Air bubbles appear in liquid coolant interfering with viewing.

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ATTACHMENT 1 to

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SUBJECT: 1540 Light Table System Report

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3. [] Mod II Advanced Stereo Rhomboids.

a. Approximate Cost.

- (1) Rhomboids with 1X objective
- (2) Pair of 2X objectives
- (3) Pair of 3X objectives

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b. Performance. The Mod II Rhomboids have essentially the same performance characteristics as the [] 15" stereo rhomboid arms, catalog number 53-70-28-02. The primary differences lie in the utility. The Mod II's have self-contained image-rotation and monoscopic and stereoscopic switching without requiring repositioning or refocusing.

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NPIC EXRAND Representative

Attachments:

- 1. 1540 Light Table Production Cost Estimates
- 2. [] Price Data
- 3. [] Price Data

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Distribution:

- 1 ea. - EXRAND Members
- 1 - TSSG/RED

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21 April 1970

200 Units

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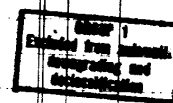
300 Units

1540 Light Tables

- | | |
|----|--|
| 1 | |
| 2 | 1. Basic Configuration |
| 3 | |
| 4 | 2. Motorized Film Transport
(2 Pr.) |
| 5 | |
| 6 | |
| 7 | 3. Power Elevation |
| 8 | |
| 9 | 4. Power Tilt & Carriage
Drive |
| 10 | |
| 11 | |
| 12 | |
| 13 | 5. TOTAL |
| 14 | |
| 15 | 6. DIFFERENCE |

NOTE: These costs are budgetary estimates for U.S. Government use only--not to be revealed to contractors. They are subject to further change based on required modifications in the equipment design and subsequent contractual negotiations.

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PLANNED SCHEDULEEXTRAND TRIP TO OFFUTT AFB, OMAHA, NEBRASKA

PURPOSE: To review the SAC program: Program Assisted Console Evaluation and Review (PACER).

24 May, -SUNDAYOption 1

LV: Nat'l via AA #611 @1440
 AR: Chicago @1535
 LV: Chicago via UA #237 @1655
 AR: Omaha @1819

Option 2

LV: Nat'l via UA #237 @1120
 AR: Omaha @1415
 (1 stop - no change of planes)

Proceed to Offutt Inn Motel (on base).

25 May, MONDAY

0800: AF bus pick up party
 0830: Commence Briefings at SAC
 1130: Lunch
 1230-1700: Demonstrations. Remain overnight Offutt Inn.

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*26 May, TUESDAY

0615: Depart Offutt via USAF bus.

LV: Omaha via UA #272 @0700
 AR: Nat'l @1131
 (1 stop - no change of planes)

*By prior arrangement, military personnel may utilize USAF courier a/c departing Offutt AFB at 0800 arriving Andrews AFB about 1430 (1 stop at Wright-Patterson AFB).

- (1) Make your own travel reservations!
- (2) Clearances will be passed by the Executive Secretary.
- (3) Reservations for lodging for all members of the party will be made by the Executive Secretary.

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